

SYSTEM AND METHOD FOR  
MEASURING REICHENBACH CLOCK SYNCHRONIZATIONS

ABSTRACT OF THE DISCLOSURE

5       A device, system and method for measuring the one-way velocity of light using selective transmission technology to provide a "superluminal" energy flow is provided. The "superluminal" transmitter comprises a transmission source, a receiver, and a selective-transmission device for receiving the transmission wavepacket from the transmission source and selectively transmitting the  
10      wavefront component of the transmission wavepacket through a barrier such that the energy transmission tunnels through the barrier at "superluminal" group velocities. The measured daily oscillation of the tunnel time can then be utilized to measure the one way light velocity. A system and method for measuring the vector phase or group velocity of light using the "superluminal" transmitter system of the  
15      invention is also provided as well as a device which can be utilized as a compass, a calender and/or a clock.

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